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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method of constructing wireless telecommunication cells between base

stations and subscriber stations, the base stations each having a cell, the cell having a

predetermined number of sectors, comprising the steps:

dividing each of the cells into four sectors around each of the base stations;

assigning distinct communication signals in a substantially mirror-image pattern

respectively to the four sectors at each of the base stations so that a common one of the distinct

communication signals is assigned to at least a pair of adjcent-adjacent ones of the sectors of the

corresponding two adjacent ones of the cells; and

transmitting within a predetermined directionality the assigned distinct communication

singnals in each of the four sectors between the base stations and the subscriber stations in the

corresponding cells.

2. (original) The method of constructing wireless telecommunication cells according to claim 1

wherein the subscriber stations are fixedly located in a predetermined one of the sectors in a

predetermined direction with respect to the base stations.

3. (original) The method of constructing wireless telecommunication cells according to claim 1

wherein the sectors are substantially equal four areas.

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4. (original) The method of constructing wireless telecommunication cells according to claim 1

wherein the sectors are substantially rectangular in shape.

5. (original) The method of constructing wireless telecommunication cells according to claim 1

wherein the sectors are substantially square in shape.

6. (original) The method of constructing wireless telecommunication cells according to claim 5

wherein the cells are substantially square in shape.

7. (original) The method of constructing wireless telecommunication cells according to claim 6

wherein the cells are staggered with each other.

8. (original) The method of constructing wireless telecommunication cells according to claim 1

wherein the sectors are substantially triangular in shape.

9. (original) The method of constructing wireless telecommunication cells according to claim 8

wherein the sectors are substantially equal four areas.

10. (original) The method of constructing wireless telecommunication cells according to claim 9

wherein the cells are substantially square in shape.

11. (original) The method of constructing wireless telecommunication cells according to claim 1

wherein a number of the distinct communication signals is four.

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12. (currently amended) The method of constructing wireless telecommunication cells according

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to claim 1 wherein the common one of the distinct communication signals is respectively assigned

to two pairs of two adjeent adjacent sectors of the corresponding two adjacent cells.

13. (currently amended) The method of constructing wireless telecommunication cells according

to claim 12 wherein the common one of the distinct communication signals is assigned to four

adjeent adjacent sectors of the corresponding four adjacent cells.

14. (currently amended) The method of constructing wireless telecommunication cells according

to claim 1 wherein the distinct communication signals are each a combination of distinct

frequencies and distict distinct communication wave directionalities directionalities.

15. (original) The method of constructing wireless telecommunication cells according to claim 14

wherein two of the distinct communication signals are assigned to each of the sectors.

16. (original) The method of constructing wireless telecommunication cells according to claim 1

wherein the distinct communication signals are four distinct frequencies as denoted by F1, F2, F3

and F4.

17. (original) The method of constructing wireless telecommunication cells according to claim 16

wherein the four distinct frequencies have a relation as defined by F1 < F2 < F3 < F4.

18. (original) The method of constructing wireless telecommunication cells according to claim 16

wherein the four distinct frequencies have a relation as defined by F1 > F2 > F3 > F4.

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19. (original) The method of constructing wireless telecommunication cells according to claim 1

wherein the four frequencies are assigned in order of F1, F4, F2 and F3 to the sectors of the cell.

20. (original) The method of constructing wireless telecommunication cells according to claim 19

wherein the four frequencies F1, F4, F2 and F3 are assigned to the sectors in a clockwise

direction.

21. (original) The method of constructing wireless telecommunication cells according to claim 19

wherein the four frequencies F1, F4, F2 and F3 are assigned to the sectors in a counterclockwise

direction.

22. (original) The method of constructing wireless telecommunication cells according to claim 19

wherein a first difference between F2 and F3 is larger than a second difference between F1 and F2

and a third difference between F3 and F4.

23. (currently amended) A wireless telecommunication system, comprising:

base stations for wirelessly communicating via a predetermined number of distinct

communication signals;

four directional antennas located around each of said base stations for receiving receiving

and transmitting the distinct communication communication signals within a predetermined

directionality for said base stations, said four directional antennas collectively defining a cell for a

corresponding one of said base stations, each of said four directional antennas singularly defining

a sector for the corresponding cell, at least a pair of adjeent ones of said four directional

antennas of the corresponding two adjacent ones of said base stations utilizing a common one of

the distinct communication signals in a substantially mirror-image pattern; and

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subscriber stations located in the cell for wirelessly communicating with a corresponding

one of said base stations on one of the distinct communication signals.

24. (original) The wireless telecommunication system according to claim 23 wherein said

subscriber stations are fixedly located in a predetermined one of the sectors for transmitting one

of the communication signals in a predetermined direction with respect to said base stations.

25. (original) The wireless telecommunication system according to claim 23 wherein said

directional antennas define the sectors in substantially equal four areas.

26. (original) The wireless telecommunication system according to claim 23 wherein said

directional antennas define the sectors in substantially rectangular areas.

27. (original) The wireless telecommunication system according to claim 23 wherein said

directional antennas define the sectors in substantially square areas.

28. (original) The wireless telecommunication system according to claim 27 wherein said

directional antennas define the cells in substantially square areas.

29. (original) The wireless telecommunication system according to claim 28 wherein said

directional antennas define the cells in staggered relations with each other.

30. (original) The wireless telecommunication system according to claim 23 wherein said

directional antennas define the sectors in substantially triangular areas.

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31. (original) The wireless telecommunication system according to claim 30 wherein said

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directional antennas define the sectors in substantially equal four areas.

32. (original) The wireless telecommunication system according to claim 31 wherein said

directional antennas define the cells in substantially square areas.

33. (original) The wireless telecommunication system according to claim 23 wherein a number of

the distinct communication signals is four.

34. (currently amended) The wireless telecommunication system according to claim 23 wherein

the common one of the distinct communication signals is assigned to two pairs of two adjcent

adjacent sectors of the corresponding two adjacent cells.

35. (currently amended) The wireless telecommunication system according to claim 34 wherein

the common one of the distinct communication signals is assigned to four adjecnt adjacent sectors

of the corresponding four adjacent cells.

36. (currently amended) The wireless telecommunication system according to claim 23 wherein

the distinct communication signals are each a combination of distinct frequencies and distict

distinct communication wave directionalities directionalities.

37. (original) Te wireless telecommunication system according to claim 36 wherein two of the

distinct communication signals are assigned to each of the sectors.

38. (original) The wireless telecommunication system according to claim 23 wherein the distinct

communication signals are four distinct frequencies as denoted by F1, F2, F3 and F4.

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39. (original) The wireless telecommunication system according to claim 38 wherein the four

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distinct frequencies have a relation as defined by F1 < F2 < F3 < F4.

40. (original) The wireless telecommunication system according to claim 38 wherein the four

distinct frequencies have a relation as defined by F1 > F2 > F3 > F4.

41. (original) The wireless telecommunication system according to claim 23 wherein the four

frequencies are assigned in order of F1, F4, F2 and F3 to the sectors of the cell.

42. (original) The wireless telecommunication system according to claim 41 wherein the four

frequencies F1, F4, F2 and F3 are assigned to the sectors in a clockwise direction.

43. (original) The wireless telecommunication system according to claim 41 wherein the four

frequencies F1, F4, F2 and F3 are assigned to the sectors in a counterclockwise direction.

44. (original) The wireless telecommunication system according to claim 41 wherein a first

difference between F2 and F3 is larger than a second difference between F1 and F2 and a third

difference between F3 and F4.

45. (currently amended) A wireless telecommunication system, comprising:

base stations for wirelessly communicating via four-distinct communication signals;

four a plurality of-directional antennas located around each of said base stations for

receving receiving and transmitting the four distinct communication communication signals for

said base stations, said four-directional antennas collectively defining a cell for a corresponding

one of said base stations, each of said four-directional antennas having a limited directionality for

singularly defining an equal one fourthportion of the cell as a sector, a pair of adjecent-adjacent

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ones of said four-directional antennas of the corresponding two adjacent sectors of said base stations utilizing a common one of the four-distinct communication signals in a substantially mirror-image pattern; and

subscriber stations located in the cell for wirelessly communicating with a corresponding one of said base stations on one of the distinct communication signals.

46. (currently amended) A wireless telecommunication system, comprising:

base stations for wirelessly communicating via four-distinct communication signals;

<u>a plurality of four</u>—directional antennas located around each of said base stations for receving receiving —and transmitting the four—distinct communication—communication signals for said base stations, said four—directional antennas collectively defining a cell for a corresponding one of said base stations, each of said four—directional antennas <u>having a limited directionality for</u> singularly defining <u>an equal one fourth portion</u> of the cell as a sector, four the plurality of said of adjcent ones of said four directional antennas of the corresponding four adjacent ones of said base stations utilizing a common one of the four—distinct communication signals <u>in a substantially mirror-image pattern</u>; and

subscriber stations located in the cell for wirelessly communicating with a corresponding one of said base stations on one of the distinct communication signals.

47. (currently amended) A wireless telecommunication system, comprising:

base stations for wirelessly communicating via four-distinct communication signals;

four a plurality of directional antennas located around each of said base stations for receiving and transmitting the four-distinct combinations of frequencies and polarized waves for said base stations, said four-directional antennas collectively defining a cell for a corresponding one of said base stations, each of said four-directional antennas having a limited directionality for singularly defining an equal one-fourthportion of the cell as a sector, four-the

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<u>plurality</u> of <u>said adjcent-adjacent</u> ones of said <u>four-directional</u> antennas of the corresponding <u>four</u> adjacent ones of said base stations utilizing a common one of the <u>four-distinct</u> combinations of the frequencies and polarized waves <u>in a substantially mirror-image pattern</u>; and

subscriber stations located in the cell for wirelessly communicating with a corresponding one of said base stations on one of the distinct communication signals.